

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.10.2024

Version number 4 (replaces version 3)

Revision: 29.10.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· **Trade name:** AHK PE-Reinigungstücher

· **UFI:** 2F00-Q074-U00E-41Q1

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· **Application of the substance / the mixture**

Cleaning material/ Detergent
Cloth

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

S.A.T. Kunststofftechnik GmbH
Brockhäger Straße 51
33330 Gütersloh
Deutschland
Telefon: +49 (0)5241 99 555 10
Telefax: +49 (0)5241 99 555 01
E-Mail: info@sat-k.de
Webseite: www.sat-k.de

· **Informing department:** Phone: +49 (0)5241 99 555 10

· 1.4 Emergency telephone number:

Phone +49 (0)5241 99 555 10
(Office hours 9:00 - 17:00)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Sol. 1 H228 Flammable solid.

· 2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS02

· **Signal word** Danger

· **Hazard statements**

H228 Flammable solid.

· **Precautionary statements**

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves / eye protection.

· **Additional information:**

Packaging of whatever capacity that is delivered to the general public shall be fitted with a tactile warning of danger according to EN ISO 11683.

· 2.3 Other hazards

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

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· **vPvB:** Not applicable.· **Determination of endocrine-disrupting properties**

The product contains substances suspected of having endocrine disrupting properties (List II and List III).

78-93-3 butanone

List II

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· **Description:** Wipe, soaked with an aqueous solution of the following substances.

· **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-X	ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	10 - 25%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43-X	butanone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	≤ 0.25%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **General information** Remove contaminated clothing immediately.· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact**

The product is not skin irritating.

Wash with water and soap.

In case of permanent aches and pains please go and see the doctor.

· **After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· **After swallowing**

Swallowing is not considered to be a possible way of exposure.

Rinse out mouth.

In case of persistent symptoms consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents**

Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.

· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

· 5.2 Special hazards arising from the substance or mixture

During incomplete combustion carbon monoxide can be formed.

Inhalation of combustion gases may cause serious health hazards.

Formation of flammable mixtures of vapours with air possible.

· 5.3 Advice for firefighters

· **Protective equipment:** Wear self-contained breathing apparatus.

· **Additional information**

Remove goods in stock from incendiary zone, if possible.

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Use water spray to keep fire-exposed containers cool.

* SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Avoid contact with eyes and skin.

Keep away from sources of ignition - No smoking.

· **For non-emergency personnel** Ensure adequate ventilation· **For emergency responders** Put on suitable personal protective equipment.

· 6.2 Environmental precautions: Do not allow to enter drainage system, ground/soil and water bodies.

· 6.3 Methods and material for containment and cleaning up:

Collect mechanically.

Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling No special precautions necessary if used correctly.

· Information about protection against explosions and fires:

Keep away from heat, sparks and open flames.

· Handling

Avoid close or long term contact with the skin.

Avoid contact with the eyes.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by storerooms and containers:

Store cool and dry in well sealed containers.

· Information about storage in one common storage facility:

Keep away from food, drink and animal feeding stuffs.

· Further information about storage conditions: Store in cool, dry conditions in well sealed containers.

· 7.3 Specific end use(s) No further relevant information available.

* SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components with limit values that require monitoring at the workplace:

WEL: workplace exposure limit

OEL: Occupational Exposure Limit

IOELV: Indicative Occupational Exposure Limit Values, workplace threshold value of the European Union

64-17-5 ethanol

WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
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78-93-3 butanone

IOELV (European Union)	Short-term value: 900 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm
WEL (Great Britain)	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV

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· DNELs**64-17-5 ethanol**

Dermal	DNEL (worker, long-term, systemic)	400 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	380 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	114 mg/m ³ (human)

78-93-3 butanone

Oral	DNEL (consumer, long-term, systemic)	31 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	1,161 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	412 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, systemic)	900 mg/m ³ (human)
	DNEL (worker, long-term, systemic)	600 mg/m ³ (human)
	DNEL (consumer, short-term, systemic)	450 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	106 mg/m ³ (human)

· PNECs**64-17-5 ethanol**

PNEC aqua (freshwater)	0.96 mg/L (.)
PNEC aqua (marine water)	0.79 mg/L (.)
PNEC STP - Sewage Treatment Plant	580 mg/L (.)
PNEC soil	0.63 mg/kg soil dw (.)
PNEC sediment (freshwater)	3.6 mg/kg sedim. dw (.)
PNEC sediment (marine water)	2.9 mg/kg sedim. dw (.)
PNEC aqua (intermittent releases)	2.75 mg/L (.)
PNEC oral	380 mg/kg food (.)

· Ingredients with biological limit values:**78-93-3 butanone**

BMGV (Great Britain)	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one
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· Additional information: The lists that were valid during the compilation were used as basis.**· 8.2 Exposure controls****· Individual protection measures, such as personal protective equipment****· General protective and hygienic measures** Wash hands during breaks and at the end of the work.**· Breathing equipment:** Not required when used as intended.**· Hand protection**

Protective gloves are recommended at frequent and/or long-term skin contact with the product.

Does not apply for consumer use.

· Material of gloves Nitrile rubber, NBR**· Penetration time of glove material**

In case of a layer thickness of 0.33 mm the penetration time is longer than 480 minutes.

· Eye/face protection Avoid all eye contact.**SECTION 9: Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General Information****· Physical state**

Solid

· Colour:

White

· Odour:

Characteristic

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<ul style="list-style-type: none"> · Odour threshold: · Melting point/freezing point: · Boiling point or initial boiling point and boiling range · Flammability · Lower and upper explosion limit · Lower: · Upper: · Flash point: · Auto-ignition temperature: · Decomposition temperature: · SADT · pH · Viscosity: · Kinematic viscosity · dynamic: · Solubility · Water: · Partition coefficient n-octanol/water (log value) · Vapour pressure at 20 °C: · Density and/or relative density · Density at 20 °C · Relative density · Vapour density · Particle characteristics 	<ul style="list-style-type: none"> Not determined. Not determined Not determined Not determined. 2.5 Vol % 13.5 Vol % 32 °C Calculated based on ethanol content > 363 °C Not determined. ~ 7 Not applicable. Not applicable. Insoluble Not determined. 59 hPa 0.9 g/cm³ Not determined. Not applicable. See section 3.
<ul style="list-style-type: none"> · 9.2 Other information · Appearance: · Form: · Important information on protection of health and environment, and on safety. · Self-inflammability: · Explosive properties: · Change in condition · Evaporation rate 	<ul style="list-style-type: none"> Wipe, soaked with liquid. Product is not selfigniting. Not determined. Not applicable.
<ul style="list-style-type: none"> · Information with regard to physical hazard classes · Explosives · Flammable gases · Aerosols · Oxidising gases · Gases under pressure · Flammable liquids · Flammable solids · Self-reactive substances and mixtures · Pyrophoric liquids · Pyrophoric solids · Self-heating substances and mixtures · Substances and mixtures, which emit flammable gases in contact with water · Oxidising liquids · Oxidising solids · Organic peroxides · Corrosive to metals 	<ul style="list-style-type: none"> Void Void Void Void Void Void Flammable solid. Void Void Void Void Void Void Void Void Void

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· **Desensitised explosives**

Void

* SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
The product is stable under normal handling and storage conditions (see section 7).
- **Information on the shelf life** The product is stable.
- **Thermal decomposition / conditions to be avoided:** Avoid strong heating.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** All sources of ignition: heat, sparks, open flame, electrostatic discharges.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

64-17-5 ethanol

Oral	LD50	10,470 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 20,000 mg/kg (rabbit)
Inhalative	LC50	> 114 mg/l/1h (mouse) (OECD 403)

78-93-3 butanone

Oral	LD50	2,193 mg/kg (Rat) (OECD 423)
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· **Primary irritant effect:**

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

· **Additional toxicological information:**· **Repeated dose toxicity**

64-17-5 ethanol

Oral	NOAEL (90d)	1,730 mg/kg bw/day (Rat)
	LOAEL (90d)	3,200 mg/kg bw/day (Rat) (OECD 408)
Inhalative	NOAEC (28d)	> 7,380 mg/m ³ /ppm u (Rat)

- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

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List II

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SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:**

64-17-5 ethanol

LC50	14,200 mg/l (fish)
EC50 (static)	5,012 mg/l/48h (Ceriodaphnia dubia) (ASTM E729-80)
EC50 (static)	675 mg/l/96h (Chlorella vulgaris) (OECD 201)
EC50	275 mg/l/120h (Algae)
LC50 (dynamic)	15,300 mg/l/96h (Pimephales promelas) (US EPA E03-05)

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EC50 (static)	> 345 mg/l/48h (Daphnia magna) (OECD 202)
EC50 (static)	1,240 mg/l/96h (Raphidocelis subcapitata) (OECD 201)
LC50 (static)	2,973 mg/l/96h (Pimephales promelas) (OECD 203)

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** There are no data available about the preparation.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects** No further relevant information available.
- **Additional ecological information:**
 - **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
The waste code numbers mentioned are recommendations based on the probable use of the product.

· **European waste catalogue**

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 29*	detergents containing hazardous substances
HP3	Flammable
HP4	Irritant - skin irritation and eye damage

· **Uncleaned packagings:**

· **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

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* SECTION 14: Transport information

<ul style="list-style-type: none"> 14.1 UN number or ID number ADR/RID, IMDG, IATA 	UN3175
<ul style="list-style-type: none"> 14.2 UN proper shipping name ADR/RID IMDG IATA 	3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)) SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)) SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL)
<ul style="list-style-type: none"> 14.3 Transport hazard class(es) ADR/RID <div>  </div> <ul style="list-style-type: none"> Class Label 	4.1 (F1) Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives 4.1
<ul style="list-style-type: none"> IMDG, IATA <div>  </div> <ul style="list-style-type: none"> Class Label 	4.1 Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives 4.1
<ul style="list-style-type: none"> 14.4 Packing group ADR/RID, IMDG, IATA 	II
<ul style="list-style-type: none"> 14.5 Environmental hazards: 	Not applicable.
<ul style="list-style-type: none"> 14.6 Special precautions for user Kemler Number: EMS Number: Stowage Category 	Warning: Flammable solids, self-reactive substances, polymerizing substances and solid desensitized explosives 40 F-A,S-I B
<ul style="list-style-type: none"> 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
<ul style="list-style-type: none"> Transport/Additional information: 	
<ul style="list-style-type: none"> ADR/RID Limited quantities (LQ) Excepted quantities (EQ) Transport category Tunnel restriction code Remarks: 	1 kg Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g 2 E Special provision 216: Mixtures of solids which are not subject to the requirements of ADR and flammable liquids may be carried under this entry without first applying the classification criteria of

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	<p>Class 4.1, provided that there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Sealed packets and articles containing less than 10 ml of a packaging group II or III flammable liquid absorbed into a solid material are not subject to ADR provided there is no free liquid in the packet or article.</p> <p>The conditions of special provision 216 are fulfilled.</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) · Remarks: 	<p>1 kg Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g Special provision 216: Mixtures of solids which are not subject to the requirements of ADR and flammable liquids may be carried under this entry without first applying the classification criteria of Class 4.1, provided that there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed. Sealed packets and articles containing less than 10 ml of a packaging group II or III flammable liquid absorbed into a solid material are not subject to ADR provided there is no free liquid in the packet or article.</p> <p>The conditions of special provision 216 are fulfilled.</p>
<ul style="list-style-type: none"> · IATA 	<p>Special provision A46 (216) Mixtures of solids not subject to these provisions with flammable liquids may be carried under this entry without first applying the classification criteria of Division 4.1, provided that no free liquid is visible at the time of loading. And for individual packagings, the packaging must pass a leak test in accordance with packing group II. Tightly sealed packages and articles containing less than 10 mL of a flammable liquid absorbed in a solid substance of packing group II or III are not subject to these provisions provided that the package or article contains no free liquid.</p> <p>The conditions of special provision A46 are fulfilled.</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p>UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 4.1, II</p>

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* SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Directive 2012/18/EU

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

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· **National regulations**

· **Water hazard class:**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This data sheet considers labelling requirements of Regulation (EU) 2022/692 adapting Regulation (EC) No 1272/2008 (18th ATP of the CLP Regulation).

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

· **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

· **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:

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· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Sol. 1: Flammable solids – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· * Data compared to the previous version altered.

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